

# Food Science and Nutrition BS

## Cultural Competence

### Goal Description:

Students in the FSCN major will demonstrate cultural competence and diversity-related knowledge and skills when working in student teams and with the community.

**Providing Department:** Food Science and Nutrition BS

RELATED ITEMS/ELEMENTS -----

RELATED ITEM LEVEL 1

**Cultural Competence - Culturally Appropriate Nutrition Education**

**Learning Objective Description:**

Students will successfully develop a culturally appropriate nutrition education program based on a community needs assessment.

Description: Students in the FSCN are required to work in teams and in the community to personally deliver a nutrition education program. This will require development of the skills to assess a community, design and deliver a program for underserved populations as part of addressing health disparities. Future work as professionals will require students to be culturally competent and be able to work in teams. These skills are required competencies for program accreditation.

RELATED ITEM LEVEL 2

**Cultural Competence - Culturally Appropriate Nutrition Education**

**Indicator Description:**

- 1. Cultural Competency Theory and Knowledge Exam
- 2. Score earned on the service-learning community education project

**Criterion Description:**

- 1. One hundred percent of students will earn a score of 80% or higher on an examination of cultural competence theory and knowledge while enrolled in FSCN 3339: Community Nutrition Course.
  - The cultural competency exam was developed from standardized questions obtained from the course textbook as well as faculty-developed questions. The textbook for this course is listed as a text used to develop national examination questions.
- 2. Twenty-five percent or less of the students will require remediation to accomplish the criteria in #1 above.
- 3. One hundred percent of students will earn a score of 80% or better on the major service-learning project as part of the FSCN 3339: Community Nutrition Course.
  - The grading rubric for the service-learning project is attached. This rubric has been developed by the faculty and refined over several years of use. Components of the rubric are aligned with knowledge requirements for accreditation.

Attached Files

 [Service Learning Project Rubrics.doc](#)

 [peer evaluation form spc \(4\).doc](#)

 [Cultural Competence- Sp 23.pdf](#)

#### **Findings Description:**

1. Of the 13 students enrolled in FSCN 3339 Community Nutrition in the spring 2024 semester, 100% (13 out of 13) of the students earned a score of 80% or higher on an examination of cultural competence theory and knowledge. The exam was revised to a case study format in 2024. Scores ranged between 80 and 96. The improvement in scores in 2024 may be due to the change to a case study for evaluation. This fully meets the criteria for the indicator.
2. There was no need for a remediation plan because all students met the criteria. This is an improvement over 2023 when there were ten students who required remediation due to scoring less than 80% on the assessment. This fully meets the requirement for the indicator.
3. Of the 13 students enrolled in FSCN 3339 Community Nutrition in the spring semester of 2024, 100% (13 out of 13) of the student earned a score of 80% or better on the major service-learning project. Scores ranged between 84 and 95. The 2024 scores were exactly the same as the 2023 results. This fully meets the requirement for the indicator.

#### **RELATED ITEM LEVEL 3**

#### **Cultural Competence - Culturally Appropriate Nutrition Education**

##### **Action Description:**

Because a new assessment tool using a case study format was implemented in 2024, the plan is to gather more data by measuring this indicator for another year. During 2024-2025, the FSCN program assessment will be realigned to be consistent with the Accreditation Council for Education in Nutrition and Dietetics (ACEND) requirements.

#### **RELATED ITEM LEVEL 1**

#### **Cultural Competence - Teamwork Skills**

##### **Learning Objective Description:**

Students will successfully develop teamwork skills while working on a community nutrition education project.

##### **Attached Files**

 [Service Learning Project Rubrics.doc](#)

 [peer evaluation form spc \(4\).doc](#)

#### **RELATED ITEM LEVEL 2**

#### **Cultural Competence - Teamwork Skills**

##### **Indicator Description:**

Peer evaluation form developed for the community nutrition education team project. This evaluation allows the student to reflect on their own performance as a team member and to provide an evaluation of their peers. A four point Likert-type scale ranging from Poor to Outstanding is utilized for the peer evaluation component of the evaluation. The form was developed by the faculty member for this specific project. A modification in grading will be made to account for students who had excused absence(s) due to illness.

##### **Attached Files**

 [FACS 3339Peer evaluation form- Sp 23.docx](#)

##### **Criterion Description:**

One hundred percent of students will receive an average rating of "3" or "4" by their peers for performance as a team member related to the community nutrition education project in the FSCN 3339: Community Nutrition course.

##### **Attached Files**

 [peer evaluation form spc \(4\).doc](#)

**Findings Description:**

Of the 13 students enrolled in FSCN 3339 Community Nutrition during the spring semester of 2024, 100% (13 out of 13) of the students received an average rating of 3 or 4 by their peers for their performance as a team member related to the community nutrition education project. Scores ranged between 3.5 and 4. This is an improvement over the 2023 score (88.5%). These findings fully meet the criteria for this indicator.

RELATED ITEM LEVEL 3

**Cultural Competence - Teamwork Skills**

**Action Description:**

The action at this time is to gather more data to assess teamwork skills of students in Community Health Nutrition. During 2024-2025, the FSCN program assessment will be realigned to be consistent with the Accreditation Council for Education in Nutrition and Dietetics (ACEND) requirements.

**Nutrition Counseling and Education Methods**

**Goal Description:**

The FSCN program will provide effective instruction for student skills development related to nutrition counseling and education methods to facilitate behavior change in clients.

**Providing Department:** Food Science and Nutrition BS

RELATED ITEMS/ELEMENTS -----

RELATED ITEM LEVEL 1

**Nutrition Counseling and Education Methods - Near Peer**

**Learning Objective Description:**

Students will demonstrate counseling and education methods to facilitate behavior change for and enhance wellness for individuals.

RELATED ITEM LEVEL 2

**Nutrition Counseling and Education Methods - Near Peer**

**Indicator Description:**

Score on near-peer nutrition counseling assignment.

Evaluation of student performance is assessed by the course faculty. Students are assigned a "near-peer" student for whom they perform a nutrition assessment and facilitate development of client nutrition goal(s), and counsel clients on methods to obtain that goal(s).

**Criterion Description:**

One hundred percent of students will score 80% or higher on the demonstration of wellness counseling as part of the Near-Peer consultation project in the FSCN 4371: Nutrition Assessment course.

Attached Files

 [Student Counseling rubric - self or peer FACS 4371.docx](#)

**Findings Description:**

100 % of students (12/12) scored 80 % or above on the demonstration of wellness counseling as part of the Near-Peer consultation project in the FSCN 4371 Nutrition Assessment Course. Grades ranged from 88- 98 out of 100 points. Students demonstrated the ability to establish rapport with the client, use open-ended questions, affirm the client, use reflective listening techniques, maintain a client-centered approach, offer education prior to delivery, develop a plan for nutritional care, and

use behavior change strategies. All students need to improve in the use of a meal plan and written diet instructions in the future. Most skills were demonstrated at a beginner level and require additional practice for mastery. No students required remediation to achieve a passing score in 2024. This is an improvement from 2023 when two students required remediation. The criteria for this indicator was fully met.

#### RELATED ITEM LEVEL 3

##### **Nutrition Counseling and Education Methods - Near Peer**

###### **Action Description:**

To improve nutrition counseling skills, there will be more discussion and practice to improve written materials provided in the role play including a meal plan and diet instruction materials. The criterion will be increased to 100% of students score 85% or above on the demonstration of wellness counseling.

#### RELATED ITEM LEVEL 1

##### **Nutrition Counseling and Education Methods -Evidence-based practice**

###### **Learning Objective Description:**

Students will demonstrate how to locate, interpret, evaluate and use professional literature to make ethical, evidence-based practice decisions for client counseling and education.

#### RELATED ITEM LEVEL 2

##### **Nutrition Counseling and Education Methods -Evidence-based practice**

###### **Indicator Description:**

Case study assignment in the senior Clinical Dietetics course. See attached rubric. The Case Study Assignment rubric utilized has been developed by program director and has been refined over several years of use. It is made available to program faculty teaching the senior Clinical Dietetics course.

Attached Files

 [Grading Rubric for Clinical Case Studies \(1\).docx](#)

###### **Criterion Description:**

One hundred percent of students enrolled in FSCN 4360: Clinical Dietetics, will score 80% or higher on the component assessing the utilization of technology to identify a professional organizations guidelines/protocols to complete a case study.

###### **Findings Description:**

100 % of students (16/16) enrolled in FSCN 4360: Clinical Dietetics scored 80% or higher on the component assessing the utilization of technology to identify a professional organizations guidelines/protocols to complete a case study. The students excelled in this indicator even though the threshold to pass was raised from 75 % (2022) to 80% in Fall of 2023. The criteria for this indicator was fully met.

#### RELATED ITEM LEVEL 3

##### **Nutrition Counseling and Education Methods - Evidence-Based Practice**

###### **Action Description:**

Because the use of technology to obtain evidence-based patient care guidelines remains an important knowledge requirement in the FSCN program, the criterion will be increased to 100% of students will score of 85% or higher. During 2024-2025, the FSCN program assessment will

be realigned to be consistent with the Accreditation Council for Education in Nutrition and Dietetics (ACEND) requirements.

## Quality Experiential Learning

### Goal Description:

The FSCN program will provide quality experiential learning opportunities in the areas of clinical nutrition and community nutrition that will allow students to apply knowledge and develop professional practice skills.

**Providing Department:** Food Science and Nutrition BS

RELATED ITEMS/ELEMENTS -----

RELATED ITEM LEVEL 1

### Quality Experiential Learning

#### Learning Objective Description:

Students will assess their experiential learning activities provided to develop and demonstrate practice skills in the three major areas of the curriculum: clinical nutrition, community nutrition and food service management.

RELATED ITEM LEVEL 2

### Quality Experiential Learning - Clinical Nutrition

#### Indicator Description:

DPD Exit Survey

Senior level FSCN students are asked to rate survey questions that reflect their perception of the coursework they completed in the FSCN classes in a DPD exit Survey. The survey is administered during the final course of the FSCN degree plan. The responses include very satisfied, satisfied, unsatisfied, and very unsatisfied.

Attached Files

 [SHSU DPD Student Satisfaction 2023-2024.docx](#)

#### Criterion Description:

83% of students will report that they are satisfied or very satisfied with the quality of experiential learning in Clinical Nutrition.

#### Findings Description:

Eight students out of ten graduates in 2023-2024 responded to the SHSU DPD Student Satisfaction Survey. Seven out of eight students (87.5%) reported that they were very satisfied or satisfied with the quality of experiential learning in clinical nutrition. The DPD Student Satisfaction Survey was revised in the 2023-2024 year to specifically address "experiential learning"; therefore, results are not comparable to previous surveys. The criteria was fully met for this indicator.

RELATED ITEM LEVEL 3

### Quality Experiential Learning - Clinical Nutrition

#### Action Description:

Data will continue to be gathered about this indicator to ensure that the FSCN program maintains student satisfaction with experiential learning opportunities in clinical nutrition. During 2024-2025, the FSCN program assessment will be realigned to be consistent with the Accreditation Council for Education in Nutrition and Dietetics (ACEND) requirements.

RELATED ITEM LEVEL 2

### Quality Experiential Learning - Community Nutrition

#### Indicator Description:

## Program Exit Survey

Description: During the FSCN program students are provided experiential learning experiences that they assess prior to graduation from the program by completing an exit survey. Students are asked to rate the quality of the experiential learning in community nutrition with a Likert-type scale ranging from very satisfied, satisfied, unsatisfied, to very unsatisfied. See attached survey.

### Attached Files

 [SHSU DPD Student Satisfaction 2023-2024.docx](#)

### Criterion Description:

At least 83% of graduates will indicate that they were satisfied or very satisfied with the experiential learning to develop skills in Community Nutrition.

### Attached Files

 [SHSU DPD Student Satisfaction 2023-2024.docx](#)

### Findings Description:

Eight of ten graduates in 2023-2024 completed the SHSU DPD Student Satisfaction survey. Six of the eight students (75%) reported that they were satisfied (5) or very satisfied (1) with the hands-on learning experiences in FSCN 3339 Community Nutrition. Two students reported that they were unsatisfied with the experiences in Community Nutrition. In the past two years, the results have met the criteria. For example, in 2022 - 2023 AY, 100 % of students said the coursework in Community Nutrition was satisfactory or very satisfactory. In 2021 - 2022 AY, 83 % of students responded that the coursework was satisfactory or very satisfactory. However, the Student Satisfaction survey was revised in 2023-2024 to specifically address experiential learning in FSCN 3339 Community Nutrition. For this reason, current findings are not comparable to previous years. The finding of 75% student satisfaction with experiential learning in Community Nutrition does not meet the criteria for this indicator.

### RELATED ITEM LEVEL 3

### Quality Experiential Learning - Community Nutrition

#### Action Description:

To improve student satisfaction scores for experiential learning in FSCN 3339 Community Nutrition, the instructor will interview previous students about their concerns with the community project and revise it to improve the students' experience. Because there were no in-person attendees at the educational webinar, in the future the instructor will arrange for the students to present the program to an in-person audience. Also, the instructor will assign the project earlier in the semester, allowing more time for students to complete the project. During 2024-2025, the FSCN program assessment will be realigned to be consistent with the Accreditation Council for Education in Nutrition and Dietetics (ACEND) requirements.

## Update to Previous Cycle's Plan for Continuous Improvement Item

### Previous Cycle's Plan For Continuous Improvement (Do Not Modify):

#### Closing Summary

Based on the previous plan (2022-2023) for Continuous Improvement in FSCN, several actions will be taken to address the findings and to improve the program while adhering to ACEND standards for accreditation. In FSCN 3339-Community Nutrition, the criteria for cultural competence knowledge was met; however, 38% of students required remediation in cultural competence to pass the assessment. This year the course instructor will add a class activity on cultural competence and explain the material in more detail prior to the exam. Our accrediting body, ACEND, requires 100% of students to meet the knowledge

requirements, so future evaluation of the goal will be to reduce the number of students requiring remediation to 25% of the class. If students have better understanding of cultural competence theory/knowledge, they may pass the exam on the first attempt which would improve the efficiency of student and instructor efforts related to assessing students' cultural competence. Also, the goal for teamwork skills in cultural competence was not achieved due to absenteeism for illness, so the instructor will develop a plan to account for excused student absences when calculating scores on the peer evaluation - teamwork skills form for future evaluation of this indicator.

To improve the quality of the assessment process for nutrition counseling knowledge - near peer, the students will demonstrate nutrition counseling with a near peer during class time in FSCN 4371 Nutrition Assessment. The presentation portion of this assignment will be eliminated to create time for this in-class counseling demonstration. Since 100% of students achieved 75% or higher on the utilization of technology to identify evidence-based protocols for nutrition counseling and education in FSCN 4360 Clinical Dietetics, the expected grade for this assessment will be increased to 80% in 2023-2024.

The students' perceptions of quality experiential learning in clinical and community nutrition met the threshold, so the goal will be increased to 83% of students reporting they are satisfied or very satisfied on ratings for the graduating students survey. Since June of 2022, Knowledge Requirements for Registered Dietitian/Nutritionists (KRDNs) have been assessed and tracked for each student in the DPD curriculum. Professors identify students who do not meet KRDN assessment goals and provide opportunities for remediation by providing additional instruction and assessments. To increase student satisfaction with experiential learning in clinical and community nutrition, the DPD Director will implement online access via Blackboard to KRDN assessment scores for students. Students will be able to track achievement of KRDN's and identify opportunities for improvement through remediation. Making this information accessible to students will validate their accomplishment of ACEND-required knowledge standards and promote achievement of a verification statement for application to post-baccalaureate supervised practice. The plans for 2023-2024 support SHSU strategic plan goals to recruit, retain, graduate, and empower students to drive sustainable growth; eliminate opportunity and achievement gaps; and, promote academic excellence.

#### **Update of Progress to the Previous Cycle's PCI:**

During 2023-2024, all of the indicators were completed and measured. For culturally appropriate nutrition education, the indicator was fully met. However, because a new assessment tool using a case study format was implemented in 2024, the plan is to gather more data by continuing to measure this indicator another year. The cultural competence - teamwork skills indicator was fully met and improved since the previous year. Teamwork skills will be measured again next year. The nutrition counseling and education methods near-peer indicator was satisfactorily met; however, findings indicated the need for counseling skills development with a meal plan and written diet instructions. For nutrition counseling and education - evidence-based practice, the indicator was fully met. This indicator will continue to be measured, and the passing score will increase to 85% on the rubric. The indicator about quality experiential learning - clinical nutrition was fully met, and the indicator about quality experiential learning for community nutrition was not met this year. Findings showed that 75% of students were satisfied or very satisfied with experiential activities in community nutrition, and the threshold was 83% for meeting the criteria. Because the project was a webinar, the project's delivery did not allow for interactions between the student and the participant. Although a month was provided to complete the project, it was assigned late in the semester which may have affected students' experience overall.

#### **New Plan for Continuous Improvement Item**

##### **Closing Summary:**

This program assessment shows that improvements were made to FSCN courses during 2023-2024; however, there are opportunities for improvement especially in experiential learning and nutrition counseling and education. With regard to ACEND requirements, the FSCN program had no instances of remediation for cultural competence or nutrition counseling and education, which is an improvement over the 2022-2023 FSCN program assessment. For culturally appropriate nutrition education, the indicator was fully met. However, because a new assessment tool using a case study format was implemented in 2024, the plan is to gather more data by continuing to measure this indicator another year. The cultural competence - teamwork skills indicator was fully met and improved from a score of 88.5% in 22-23 to 100% in 23-24. Teamwork skills will be measured again next year. The nutrition counseling and education methods near-peer indicator was satisfactorily met; however, findings indicated the need for counseling skills development with a meal plan and written diet instructions. In the future, the instructor will provide more practice opportunities and increase the criteria to a score of 85% on the rubric for passing. For nutrition counseling and education - evidence-based practice, the indicator was fully met. This indicator will continue to be measured, and the passing score will increase to 85% on the rubric. The indicator for quality experiential learning - clinical nutrition was fully met, and the indicator for quality experiential learning - community nutrition was not met this year. Findings showed that 75% of students were satisfied or very satisfied with experiential activities in community nutrition, and the threshold was 83% for meeting the criteria. After a discussion about the community nutrition project, the recommended action is for the instructor to interview previous students about their concerns and revise the project. Because the project was a webinar, the project's delivery did not allow for interactions between the student and the participant. The instructor will seek an in-person audience in the future. Also, to accommodate student time issues, the instructor will assign the project earlier in the semester. The FSCN plan is to continue to resolve issues with indicators in this current plan during 2024-2025. However, the focus of the new assessment plan will be on realigning the objectives with the Accreditation Council for Education in Nutrition and Dietetics (ACEND) requirements. The plans for 2024-2025 support SHSU strategic plan goals to prioritize student success and access and to embody a culture of excellence.